

SUMMARY ADDENDUM

TO

PRELIMINARY ENGINEERING REPORT

DATED 11/28/2017

FOR

AC Water Line Replacement (Phase I) - Western Fleming Water District
(Name of Project)

APPLICANT CONTACT PERSON _____

APPLICANT PHONE NUMBER _____

APPLICANT TAX IDENTIFICATION NUMBER (TIN) _____

ITEMS IN BOLD ITALIC PRINT ARE APPLICABLE TO SEWER SYSTEMS.

In order to avoid unnecessary delays in application processing, the applicant and its consulting engineer should prepare a summary of the preliminary report in accordance with this Guide.

Please complete the applicable sections of the Summary Addendum. ***Please note, if water and sewer revenue will both be taken as security for the loan, all user information and characteristics of both utility systems will be needed even though the project will benefit***

Feasibility review and grant determinations may be processed more accurately and more rapidly if the summary/Addendum is submitted simultaneously with the preliminary engineering report, or as soon thereafter as possible.

I. GENERAL

A. Proposed Project: provide a brief description of the proposed project. In addition to this summary, the applicant/engineer should

II. **FACILITY CHARACTERISTICS OF EXISTING SEWER SYSTEM**

A. **Sewage Treatment:**

1. **Type** _____

2. **Method of Sludge Disposal** _____

3. **Cost per 1,000 gallons if sewage treatment is contracted:**

\$ _____

4. **Date Constructed** _____

B. **Treatment Capacity of Sewage Treatment Plant** _____

C. **Type of Sewage Collector System (Describe)** _____

D. **Number and Capacity of Sewage Lift Stations** _____

E. Sewage Collection System:

Lineal Feet of Collector Lines, by size 6" _____ 8" _____

10" _____ 12" _____, Larger _____

Date(s) Constructed _____

F.

Conditions of Existing System: Briefly describe the conditions and suitability for continued use of facility now owned by the applicant. Include any major renovation that will be needed within five to ten years.

III. FACILITY CHARACTERISTICS OF EXISTING WATER SYSTEM

A. Water Source: Describe adequacy of source (quality and quantity). Include an explanation of raw water source, raw water intake structure, treatment plant capacity, and current level of production (WTP). Also describe the adequacy of Water Purchase Contract if applicable.

WFWD gets its raw water from the Licking River.

WFWD is required to purchase 3 million gallons from GFCRWC each month.

If the applicant purchases water:

Seller(s):

1. GFCRWC _____

2. _____

3. _____

Price/1,000 gallons:

1. \$1.86 _____

2. _____

3. _____

Present Estimated Market Value of Existing System \$ _____

B. Water Storage:

Type: Ground Storage Tank _____ 250,000 _____ Elevated Tank _____ 600,000

Standpipe _____ 100,000 Other _____

Number of Storage Structures _____ 4 _____

Total Storage Volume Capacity _____ 950,000 _____

Date Storage Tank(s) Constructed _____

C. Water Distribution System:

Pipe Material AC, PVC and DI

Lineal Feet of Pipe: 3" Dia.	<u>153,285</u>	4"	<u>259,765</u>
	6" <u>145,144</u>	8"	<u>42,820</u>
	10" <u>6,714</u>	12" & Up	<u>27,667</u>

Date(s) Wter Lines Constructed _____ 1960 to 2000 _____

Number and Capacity of Pump Station(s) _____ 1 _____

D. Condition of Existing Water System:

Briefly describe the condition and suitability for continued use of facility now owned by the applicant. Include any major renovation that will be needed within five to ten years.

The water system is in relatively good shape except for the AC water lines.

WFWD continues to leaks and maintenance problems with the AC water line.

E. Percentage of Water Loss Existing System _____ 13.09% _____

IV. EXISTING LONG-TERM INDEBTEDNESS

A. List of Bonds and Notes:

<u>Date of Issue</u>	<u>Bond/Note Holder</u>	<u>Principal Balance</u>	<u>Payment Date</u>	<u>Bond Type Water/Sewer*</u>	<u>Amount on Deposit in Reserve Account</u>
19 <u>80</u> Issue	<u>RD</u>	<u>\$150,000</u>	<u></u>	<u>100 %</u> <u></u> %	<u></u>
19 <u>88</u> Issue	<u>RD</u>	<u>\$190,000</u>	<u></u>	<u>100 %</u> <u></u> %	<u></u>
19 <u>97</u> Issue	<u>RD</u>	<u>\$515,000</u>	<u></u>	<u>100 %</u> <u></u> %	<u></u>
20 <u>02</u> Issue	<u>RD</u>	<u>\$428,500</u>	<u></u>	<u>100 %</u> <u></u> %	<u></u>
20 <u>04</u> Issue	<u>RD</u>	<u>\$99,000</u>	<u></u>	<u>100 %</u> <u></u> %	<u></u>
20 <u>10</u> Issue	<u>KIA</u>	<u>\$2,197,254</u>	<u></u>	<u>100 %</u> <u></u> %	<u></u>

* If a combined issue, show attributable portion to each system.

B. Principal and Interest Payments: (Begin with Next Fiscal Year Payment)

The following is a schedule of long-term debt maturities based on 2015 Audit:

	<u>Principal</u>	<u>Interest</u>
2016	\$159,051	\$69,042
2017	\$161,016	\$65,412
2018	\$167,083	\$61,672
2019	\$174,861	\$57,712
2020	\$158,146	\$54,151
2021-2025	\$637,794	\$229,661
2026-2030	\$674,649	\$163,231
2031-2035	\$690,070	\$104,253
2036-2040	\$654,613	\$42,825
2014-2045	\$102,471	\$2,713

V. EXISTING SHORT-TERM INDEBTEDNESS

A. List of All Short Term Debts: (Do Not Show Any Debt Listed in Paragraph IV Above)

<u>Lender or Lessor</u>	<u>Date of Issue (Month & Year)</u>	<u>Principal Balance</u>	<u>Purpose (Water and/ or Sewer)</u>	<u>Payment Date</u>	<u>Principal & Interest Payment (P&I)</u>	<u>Date to Be Paid In Full</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

VI. LAND AND RIGHTS - EXISTING SYSTEMS(S)

Number of Treatment Plant Sites: Water 1 Sewer _____

Number of Storage Tank Sites: Water 3 Sewer _____

Number of Pump Stations: Water 1 Sewer _____

Total Acreage: Water Acres Sewer Acres

Purchase Price: Water _____ Sewer _____

VII. NUMBER OF EXISTING USERS

	<u>Water</u>	<u>Sewer</u>
Residential (In Town)*	<u>1456</u>	_____
Residential (Out of Town)*	_____	_____
Non-Residential (In Town)	<u>23</u>	_____
Non-Residential (Out of Town)	_____	_____
Total	<u>1479</u>	_____
Number to Total Potential Users Living in the Service Area	_____	_____

* Note: Residential Users: classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residence.

VIII CURRENT WATER AND SEWER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION

<u>Meter Size</u>	<u>Water Connection Fee</u>	<u>Sewer Connection Fee</u>
<u>5/8" x 3/4"</u>	<u>\$850</u>	<u>\$</u>
<u>1 - Inch</u>	<u>Actual Cost</u>	<u>\$</u>

IX. SEWER RATES - EXISTING SYSTEM

Percentage of Water Bill _____ % Minimum Charge \$ _____

Other: (If Charge Not Based on Water Bill) _____

Date This Rate Went Into Effect _____

X. WATER RATES - EXISTING SYSTEM

Existing Rate Schedule:

First	<u>1000</u>	Gallons @ \$	<u>15.01</u>	Minimum
Next	<u>6000</u>	Gallons @ \$	<u>8.74</u>	per 1,000 Gallons.
Next	<u>3000</u>	Gallons @ \$	<u>7.16</u>	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
All Ove	<u>10000</u>	Gallons @ \$	<u>5.69</u>	per 1,000 Gallons.

Date This Rate Went Into Effect 10/27/2014

If More Than One Rate Schedule, Please Include All Schedules.

Whole Sale Water Rate: \$1.63/1,000 Gallons

**XI. ANALYSIS OF ACTUAL SEWER USAGE - EXISTING SYSTEM -
12 MONTH PERIOD**

For Period _____ to _____.

All Meter

<u>Sizes</u>	<u>Monthly Sewer Usage</u>	<u>Average</u>	<u>Residential</u> No. of Users	<u>Usage</u> (1000)	<u>Non-Residential</u> No. of Users	<u>Usage</u> (1000)
0 -	2,000 Gal.		1,000	_____	_____	_____
2,000 -	3,000 Gal.		2,500	_____	_____	_____
3,000 -	4,000 Gal.		3,500	_____	_____	_____
4,000 -	5,000 Gal.		4,500	_____	_____	_____
5,000 -	6,000 Gal.		5,500	_____	_____	_____
6,000 -	7,000 Gal.		6,500	_____	_____	_____
7,000 -	8,000 Gal.		7,500	_____	_____	_____
8,000 -	9,000 Gal.		8,500	_____	_____	_____
9,000 -	10,000 Gal.		9,500	_____	_____	_____
10,000 -	11,000 Gal.		10,500	_____	_____	_____
11,000 -	12,000 Gal.		11,500	_____	_____	_____
12,000 -	13,000 Gal.		12,500	_____	_____	_____
13,000 -	14,000 Gal.		13,500	_____	_____	_____
14,000 -	15,000 Gal.		14,500	_____	_____	_____
15,000 -	16,000 Gal.		15,500	_____	_____	_____
16,000 -	17,000 Gal.		16,500	_____	_____	_____
17,000 -	18,000 Gal.		17,500	_____	_____	_____
18,000 -	19,000 Gal.		18,500	_____	_____	_____
19,000 -	20,000 Gal.		19,500	_____	_____	_____
_____ -	_____ Gal.		_____	_____	_____	_____
_____ -	_____ Gal.		_____	_____	_____	_____
_____ -	_____ Gal.		_____	_____	_____	_____
	Total		()	()	()	()
	Average Usage			()		()

XII. ANALYSIS OF ACTUAL WATER USAGE - EXISTING SYSTEM - 12 MONTH PERIOD

For Period October 2015 to October 2016 .

All Meter

<u>Sizes</u>	<u>Monthly Water Usage</u>	<u>Average</u>	<u>Residential</u>		<u>Non-Residential</u>	
			<u>No. of Users</u>	<u>Usage (1000)</u>	<u>No. of Users</u>	<u>Usage (1000)</u>
0 -	1,000 Gal.	329.409	<u>268</u>	<u>86.819</u>	<u>10</u>	<u>4.757</u>
1,000 -	7,000 Gal.	3339.03	<u>993</u>	<u>3319.654</u>	<u>8</u>	<u>22.717</u>
7,000 -	10,000 Gal.	8340	<u>80</u>	<u>665.529</u>	<u>1</u>	<u>10.012</u>
All Over	10,000 Gal.	25513	<u>94</u>	<u>2222.338</u>	<u>3</u>	<u>252.423</u>
		Gal.				
		Gal.				
		Total	<u>1,435</u>	<u>6294.340</u>	<u>22</u>	<u>289.908</u>
		Average Usage		<u>4.386</u>		<u>13.178</u>

Buffalo Trail Water Association 1 9505

Nicholas County 1 7369.6

Total Water Purchased and/or Produced _____
 Total Water Sold _____

XIII. FACILITY CHARACTERISTICS OF PROPOSED SEWER SYSTEM

A. Sewage Treatment:

1. Type _____

2. Method of Sludge Disposal _____

3. Cost per 1,000 gallons if sewage treatment is contracted:
\$ _____

4. Date Constructed _____

B. Treatment Capacity of Sewage Treatment Plant _____

C. Type of Sewage Collector System (Describe) _____

D. Number and Capacity of Sewage Lift Stations _____

E. Sewage Collection System:

Lineal Feet of Collector Lines, by size 6" _____ 8" _____

10" _____ 12" _____, Larger _____

XIV. LAND AND RIGHTS - PROPOSED SEWER SYSTEM

Number of Treatment Plant Sites _____

Number of Pump Sites _____

Number of Other Sites _____

Total Acreage _____ **Acres**

Purchase Price \$ _____

XV. FACILITY CHARACTERISTICS OF PROPOSED WATER SYSTEM

A. Water Source: Describe adequacy of source (quality and quantity). Include an explanation of raw water source, raw water intake structure, treatment plant capacity, and current level of production (WTP). Also describe the adequacy of Water Purchase Contract if applicable.

WFWD gets its raw water from the Licking River

B. Water Storage:

Type: Ground Storage Tank _____ Elevated Tank _____

Standpipe _____ Other _____

Number of Storage Structures _____

Total Storage Volume Capacity _____

C. Water Distribution System:

Pipe Material _____ PVC & Ductile Iron _____

Lineal Feet of Pipe: 3" Diameter _____ 4" _____

6" _____ 8" 31,100 _____

10" 11,900 _____ 12" _____

Number and Capacity of Pump Station(s) _____ N/A _____

XVI. LAND AND RIGHTS - PROPOSED WATER SYSTEM

Number of Treatment Plant Sites _____ 0 _____

Number of Pump Sites _____ 0 _____

Number of Other Sites _____ 0 _____

Total Acreage _____ 0 _____ Acres

Purchase Price \$ _____ N/A _____

XVII. NUMBER OF NEW SEWER USERS

Residential (In Town)* _____

Residential (Out of Town) _____

Non-Residential (In Town) _____

Non-Residential (Out of Town) _____

Total _____

Number to Total Potential Users Living in the Service Area _____

*** Note: Residential Users: Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residences.**

XVIII. PROPOSED SEWER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION

<u>Meter Size</u>	<u>Connection Fee</u>
<u>5/8" x 3/4</u>	<u>\$ _____</u>
<u>1 - Inch</u>	<u>\$ _____</u>
<u>1-1/2 Inch</u>	<u>\$ _____</u>
<u>2 - Inch</u>	<u>\$ _____</u>
<u>3 - Inch</u>	<u>\$ _____</u>
<u>4 - Inch</u>	<u>\$ _____</u>
<u>5 - Inch</u>	<u>\$ _____</u>
<u>6 - Inch</u>	<u>\$ _____</u>

XIX. NUMBER OF NEW WATER USERS

Residential (In Town)*	0
Residential (Out of Town)*	0
Non-Residential (In Town)*	0
Non-Residential (Out of Town)*	0
Total	0
Number to Total Potential Users Living in the Service Area	

* Note:

Residential Users: Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residences.

XX.

<u>Meter Size</u>	<u>Connection Fee</u>
<u>5/8" x 3/4</u>	\$ <u> </u>
<u>1 - Inch</u>	\$ <u> </u>
<u>1-1/2 Inch</u>	\$ <u> </u>
<u>2 - Inch</u>	\$ <u> </u>
<u>3 - Inch</u>	\$ <u> </u>
<u>4 - Inch</u>	\$ <u> </u>
<u>5 - Inch</u>	\$ <u> </u>
<u>6 - Inch</u>	\$ <u> </u>

XXI. SEWER RATES - PROPOSED

A. Proposed Rate Schedule without RUS Grant:
 Percent of Water Bill _____% Minimum charge \$ _____
 Other: (If Charge Not Based on Water Bill) _____

Proposed Rate Schedule: (Without RUS Grant)

First	_____	Gallons @ \$	_____	Minimum.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
All Over	_____	Gallons @ \$	_____	per 1,000 Gallons.

The above proposed rate, without RUS grant, must be completed for each grant. If the applicant/engineer desires, there is no objection to recommending a proposed rate with an estimated RUS grant in the Table below. However, the preparer should remember that the Table (A) above must be completed prior to Table (B).

B. Recommended Rate Schedule with RUS Grant:
 Percentage of Water Bill _____% Minimum Charge \$ _____
 Other: (If Charge Not Based on Water Bill) _____

Recommended Rate Schedule: (With RUS Grant)

First	_____	Gallons @ \$	_____	Minimum.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
All Over	_____	Gallons @ \$	_____	per 1,000 Gallons.

If more than one rate, use additional sheets.

XXII. WATER RATES - PROPOSED

A. Proposed Rate Schedule without RUS Grant:

First	<u>1000</u>	Gallons @ \$	<u>16.80</u>	Minimum.
Next	<u>3000</u>	Gallons @ \$	<u>8.94</u>	per 1,000 Gallons.
Next	<u>6000</u>	Gallons @ \$	<u>7.36</u>	per 1,000 Gallons.
Next	<u> </u>	Gallons @ \$	<u> </u>	per 1,000 Gallons.
Next	<u> </u>	Gallons @ \$	<u> </u>	per 1,000 Gallons.
Next	<u> </u>	Gallons @ \$	<u> </u>	per 1,000 Gallons.
All Over	<u>10000</u>	Gallons @ \$	<u>5.89</u>	per 1,000 Gallons.

The above proposed rate, without RUS grant, must be completed for each grant. If the applicant/engineer desires, there is no objection to recommending a proposed rate with an estimated RUS grant in the Table below. However, the preparer should remember that the Table (A) above must be completed prior to Table (B).

B. Recommended Rate Schedule with RUS Grant:

First	<u>1000</u>	Gallons @ \$	<u>16.20</u>	Minimum.
Next	<u>3000</u>	Gallons @ \$	<u>8.94</u>	per 1,000 Gallons.
Next	<u>6000</u>	Gallons @ \$	<u>7.36</u>	per 1,000 Gallons.
Next	<u> </u>	Gallons @ \$	<u> </u>	per 1,000 Gallons.
Next	<u> </u>	Gallons @ \$	<u> </u>	per 1,000 Gallons.
Next	<u> </u>	Gallons @ \$	<u> </u>	per 1,000 Gallons.
All Over	<u>10000</u>	Gallons @ \$	<u>5.89</u>	per 1,000 Gallons.

If more than one rate, use additional sheets.

XXIII FORECAST OF SEWER USAGE - INCOME - EXISTING SYSTEM - EXISTING USERS

Meter Sizes*	Monthly Sewer Usage	Average Average	Rate	Residential			Non-Residential		
				No. of Users**	Usage (1000)	Income	No. of Users	Usage (1000)	Income
	0 - 2,000 Gallons	1,000							
	2,000 - 3,000 Gallons	2,500							
	3,000 - 4,000 Gallons	3,500							
	4,000 - 5,000 Gallons	4,500							
	5,000 - 6,000 Gallons	5,500							
	6,000 - 7,000 Gallons	6,500							
	7,000 - 8,000 Gallons	7,500							
	8,000 - 9,000 Gallons	8,500							
	9,000 - 10,000 Gallons	9,500							
5/8	10,000 - 11,000 Gallons	10,500							
x	11,000 - 12,000 Gallons	11,500							
3/4	12,000 - 13,000 Gallons	12,500							
Inch	13,000 - 14,000 Gallons	13,500							
	14,000 - 15,000 Gallons	14,500							
	15,000 - 16,000 Gallons	15,500							
	16,000 - 17,000 Gallons	16,500							
	17,000 - 18,000 Gallons	17,500							
	18,000 - 19,000 Gallons	18,500							
	19,000 - 20,000 Gallons	19,500							
	- Gallons								
	- Gallons								
	- Gallons								
	Sub-Total			()	()	()	()	()	()
	Average Monthly Rate		()						
	Average Monthly Usage			()			()		

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

1- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
1-1/2 Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
2- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
3- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
4- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
5- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()

* Breakdown of meter size is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

6- Inch	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
		Sub-Total		_____	()	()	()	()	()
TOTALS			_____	()	()	()	()	()	

MULTI-FAMILY AND APARTMENT USER ANALYSIS

If billed as a typical user, the information should e included in the residential information above. If not billed as a typical residential user, please explain below.

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

* **Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.**

** **Number of users should reflect the actual number of "meter settings".**

XXIV. FORECAST OF SEWER USAGE - INCOME - NEW USERS - EXTENSION ONLY

Meter Sizes*	Monthly Sewer Usage	Average		Residential			Non-Residential		
		Average	Rate	No. of Users**	Usage (1000)	Income	No. of Users	Usage (1000)	Income
	0 - 2,000 Gallons	1,000							
	2,000 - 3,000 Gallons	2,500							
	3,000 - 4,000 Gallons	3,500							
	4,000 - 5,000 Gallons	4,500							
	5,000 - 6,000 Gallons	5,500							
	6,000 - 7,000 Gallons	6,500							
	7,000 - 8,000 Gallons	7,500							
	8,000 - 9,000 Gallons	8,500							
	9,000 - 10,000 Gallons	9,500							
5/8	10,000 - 11,000 Gallons	10,500							
x	11,000 - 12,000 Gallons	11,500							
3/4	12,000 - 13,000 Gallons	12,500							
Inch	13,000 - 14,000 Gallons	13,500							
	14,000 - 15,000 Gallons	14,500							
	15,000 - 16,000 Gallons	15,500							
	16,000 - 17,000 Gallons	16,500							
	17,000 - 18,000 Gallons	17,500							
	18,000 - 19,000 Gallons	18,500							
	19,000 - 20,000 Gallons	19,500							
	- Gallons								
	- Gallons								
	- Gallons								
	Sub-Total			()	()	()	()	()	()
	Average Monthly Rate		()						
	Average Monthly Usage			()			()		

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

1- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
1-1/2 Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
2- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
3- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
4- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
5- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()

* Breakdown of meter size is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

6- Inch	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
		Sub-Total		_____	()	()	()	()	()
TOTALS				()	()	()	()	()	

MULTI-FAMILY AND APARTMENT USER ANALYSIS

If billed as a typical user, the information should e included in the residential information above. If not billed as a typical residential user, please explain below.

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

* **Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.**

** **Number of users should reflect the actual number of "meter settings".**

XXV. FORECAST OF WATER USAGE - INCOME - EXISTING SYSTEM - EXISTING USERS

All Meter Sizes*		Monthly Sewer Usage	Average	Average Rate	Residential			Non-Residential		
					No. of Users**	Usage (1000)	Income	No. of Users	Usage (1000)	Income
5/8	0 - 1,000	Gallons	329	\$16.20	268	86.819	\$4,341.60	10	4.757	\$162.00
x	1,000 - 7,000	Gallons	3,339	\$37.11	993	3319.654	\$36,886.89	8	22.717	\$261.17
3/4	7,000 - 10,000	Gallons	8,340	\$79.70	80	665.529	\$6,363.89	1	10.012	\$92.00
Inch	All Over	10,000 Gallons	25,513	\$183.29	94	2222.338	\$16,193.45	3	252.423	\$1,585.83
		Gallons								
		Sub-Total			1435	6294.340	\$63,785.83	22	289.908	\$2,101.00
		Average Monthly Rate		\$45.22						
		Average Monthly Usage				4.386			13.178	

Buffalo Trail Water Association								1	9660.88	\$15,747.24
Nicholas County								1	7490.46	\$12,209.45
					Total Income	\$93,843.52				

Note: Average usage from Oct. 2015 to Oct. 2016 was 23,744,743 gallons/month. Used customer usage of 23,362,590 from April because it was closest. Bumped usage across board by 1.0164% so usage closer to average.

1-Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
1-1/2 Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
2-Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
3-Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
4-Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()
5-Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total		()	()	()	()	()	()

* Breakdown of meter size is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

6- Inch	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
		Sub-Total		()	()	()	()	()	()
		TOTALS		()	()	()	()	()	()

MULTI-FAMILY AND APARTMENT USER ANALYSIS

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

XXVI. FORECAST OF WATER USAGE - INCOME - NEW USERS - EXTENSION ONLY

Meter Sizes*	Monthly Sewer Usage	Average		Residential			Non-Residential		
		Average	Rate	No. of Users**	Usage (1000)	Income	No. of Users	Usage (1000)	Income
	0 - 2,000 Gallons	1,000							
	2,000 - 3,000 Gallons	2,500							
	3,000 - 4,000 Gallons	3,500							
	4,000 - 5,000 Gallons	4,500							
	5,000 - 6,000 Gallons	5,500							
	6,000 - 7,000 Gallons	6,500							
	7,000 - 8,000 Gallons	7,500							
	8,000 - 9,000 Gallons	8,500							
	9,000 - 10,000 Gallons	9,500							
5/8	10,000 - 11,000 Gallons	10,500							
x	11,000 - 12,000 Gallons	11,500							
3/4	12,000 - 13,000 Gallons	12,500							
Inch	13,000 - 14,000 Gallons	13,500							
	14,000 - 15,000 Gallons	14,500							
	15,000 - 16,000 Gallons	15,500							
	16,000 - 17,000 Gallons	16,500							
	17,000 - 18,000 Gallons	17,500							
	18,000 - 19,000 Gallons	18,500							
	19,000 - 20,000 Gallons	19,500							
	- Gallons								
	- Gallons								
	- Gallons								
	Sub-Total			()	()	()	()	()	()
	Average Monthly Rate		()						
	Average Monthly Usage				()		()		

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

1-Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Sub-Total			()	()	()	()	()
1-1/2 Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Sub-Total			()	()	()	()	()
2-Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Sub-Total			()	()	()	()	()
3-Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Sub-Total			()	()	()	()	()
4-Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Sub-Total			()	()	()	()	()
5-Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Sub-Total			()	()	()	()	()

* Breakdown of meter size is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

6- Inch	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
		Sub-Total		()	()	()	()	()	()
		TOTALS		()	()	()	()	()	()

MULTI-FAMILY AND APARTMENT USER ANALYSIS

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

XVII. CURRENT OPERATING BUDGET - (SEWER SYSTEM)
(As of the last full operating year.)

A.	Operating Income:	\$ _____
	<i>Sewer Revenue</i>	_____
	<i>Late Charge Fees</i>	_____
	<i>Other (Describe)</i>	_____
	<i>Less Allowances and Deductions</i>	(_____)
	Total Operating Income	\$ _____
B.	Operation and Maintenance Expenses:	
	<i>(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)</i>	
	<i>Operation Expense</i>	\$ _____
	<i>Maintenance Expense</i>	_____
	<i>Customer Accounts Expense</i>	_____
	<i>Administrative and General Expense</i>	_____
	Total Operating and Maintenance Expenses	\$ _____
	Net Operating Income	\$ _____
C.	Non-Operating Income:	
	<i>Interest on Deposits</i>	\$ _____
	<i>Other (Identify)</i>	_____
	Total Non-Operating Income	\$ _____
D.	Net Income	\$ _____
E.	Debt Repayment:	\$ _____
	<i>RUS Interest</i>	_____
	<i>RUS Principal</i>	_____
	<i>Non-RUS Interest</i>	_____
	<i>Non-RUS Principal</i>	_____
	Total Debt Repayment	\$ _____
F.	Balance Available for Coverage	\$ _____

**XVIII. CURRENT OPERATING BUDGET - (SEWER SYSTEM) - EXISTING SYSTEM
AND NEW USERS (1st Full Year of Operation) Year Ending**

A.	Operating Income:	\$ _____
	<i>Sewer Revenue</i>	_____
	<i>Late Charge Fees</i>	_____
	<i>Other (Describe)</i>	_____
	<i>Less Allowances and Deductions</i>	(_____)
	Total Operating Income	\$ _____
B.	Operation and Maintenance Expenses: <i>(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)</i>	
	<i>Operation Expense</i>	\$ _____
	<i>Maintenance Expense</i>	_____
	<i>Customer Accounts Expense</i>	_____
	<i>Administrative and General Expense</i>	_____
	Total Operating and Maintenance Expenses	\$ _____
	Net Operating Income	\$ _____
C.	Non-Operating Income:	
	<i>Interest on Deposits</i>	\$ _____
	<i>Other (Identify)</i>	_____
	Total Non-Operating Income	\$ _____
D.	Net Income	\$ _____
E.	Debt Repayment:	\$ _____
	<i>RUS Interest</i>	_____
	<i>RUS Principal</i>	_____
	<i>Non-RUS Interest</i>	_____
	<i>Non-RUS Principal</i>	_____
	Total Debt Repayment	\$ _____
F.	Balance Available for Coverage	\$ _____

XIX. PROPOSED OPERATING BUDGET - (SEWER SYSTEM) - NEW USERS - EXTENSION ONLY (1st Full Year of Operation) Year Ending

A.	Operating Income:	\$ _____
	<i>Sewer Revenue</i>	_____
	<i>Late Charge Fees</i>	_____
	<i>Other (Describe)</i>	_____
	<i>Less Allowances and Deductions</i>	(_____)
	Total Operating Income	\$ _____
B.	Operation and Maintenance Expenses: <i>(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)</i>	
	<i>Operation Expense</i>	\$ _____
	<i>Maintenance Expense</i>	_____
	<i>Customer Accounts Expense</i>	_____
	<i>Administrative and General Expense</i>	_____
	Total Operating and Maintenance Expenses	\$ _____
	Net Operating Income	\$ _____
C.	Non-Operating Income:	
	<i>Interest on Deposits</i>	\$ _____
	<i>Other (Identify)</i>	_____
	Total Non-Operating Income	\$ _____
D.	Net Income	\$ _____
E.	Debt Repayment:	\$ _____
	<i>RUS Interest</i>	_____
	<i>RUS Principal</i>	_____
	<i>Non-RUS Interest</i>	_____
	<i>Non-RUS Principal</i>	_____
	Total Debt Repayment	\$ _____
F.	Balance Available for Coverage	\$ _____

XXX. CURRENT OPERATING BUDGET - (WATER SYSTEM)
 (As of the full operating year.)

A.	Operating Income:	\$	_____	
	Water Sales		1,126,000	
	Disconnect/Reconnect/Late Charge Fee		_____	
	Other (Describe)		_____	
	Less Allowances and Deductions	(_____)	
	Total Operating Income	\$	1,126,000	
B.	Operation and Maintenance Expenses: (Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)			
	Source of Supply Expense	\$	74,567	(1)
	Pumping Expense	\$	_____	
	Water Treatment Expense	\$	615,094	(1)
	Transmission and Distribution Expense	\$	_____	
	Customer Accounts Expense	\$	_____	
	Administrative and General Expense	\$	_____	
	Total Operating Expense	\$	689,661	
	Net Operating Expense	\$	436,339	
C.	Non-Operating Income:			
	Interest on Deposits	\$	3,264	(1)
	Other (Identify) Tap Fees		10,400	(1)
	Total Non-Operating Income	\$	13,664	
D.	Net Income	\$	450,003	
E.	Debt Repayment:	\$	_____	
	RUS Interest		_____	
	RUS Principal		_____	
	Non-RUS Interest		87,882	(1)
	Non-RUS Principal		153,796	(1)
	Total Debt Repayment	\$	241,678	
F.	Balance Available for Coverage	\$	208,325	

(1) From 2015 Audit.

XXXI. CURRENT OPERATING BUDGET - (WATER SYSTEM) - EXISTING SYSTEM
AND NEW USERS (1st Full Year of Operation) Year Ending

2019

A.	Operating Income:	\$	_____
	Water Sales		_____ 1,126,000 _____
	Disconnect/Reconnect/Late Charge Fee		_____
	Other (Describe)		_____
	Less Allowances and Deductions	(_____) _____
	Total Operating Income	\$	_____ 1,126,000 _____
B.	Operation and Maintenance Expenses: (Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)		
	Source of Supply Expense	\$	_____ 74,600 _____
	Pumping Expense	\$	_____
	Water Treatment Expense	\$	_____ 692,300 (1) _____
	Transmission and Distribution Expense	\$	_____
	Customer Accounts Expense	\$	_____
	Administrative and General Expense	\$	_____
	Total Operating Expense	\$	_____ 766,900 _____
	Net Operating Expense	\$	_____ 359,100 _____
C.	Non-Operating Income:		
	Interest on Deposits	\$	_____ 3,200 _____
	Other (Identify) Tap Fees		_____ 10,000 _____
	Total Non-Operating Income	\$	_____ 13,200 _____
D.	Net Income	\$	_____ 372,300 _____
E.	Debt Repayment:	\$	_____
	RUS Interest		_____ 34,400 (2) _____
	RUS Principal		_____
	Non-RUS Interest		_____ 232,573 (3) _____
	Non-RUS Principal		_____
	Total Debt Repayment	\$	_____ 266,973 _____
F.	Replacement Reserve	\$	_____ 7,800 _____
F.	Balance Available for Coverage & Depreciation	\$	_____ 97,527 _____

(1) It is assumed that this project will go on line in 2019. It was also assumed that the O&M costs would increase 3.0% annually from 2016 to 2019.

(2) Assume RD Loan of \$810,000 @ 2.75% for 38yrs. P&I payment of \$34,400.

(3) From 2015 Audit

XXXII PROPOSED OPERATING BUDGET - (WATER SYSTEM) - NEW USERS -
EXTENSION ONLY (1st Full Year of Operation) Year Ending _____

A.	Operating Income:	\$ _____
	Water Sales	_____
	Disconnect/Reconnect/Late Charge Fee	_____
	Other (Describe)	_____
	Less Allowances and Deductions	(_____)
	Total Operating Income	\$ _____
B.	Operation and Maintenance Expenses: (Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
	Source of Supply Expense	\$ _____
	Pumping Expense	\$ _____
	Water Treatment Expense	\$ _____
	Transmission and Distribution Expense	\$ _____
	Customer Accounts Expense	\$ _____
	Administrative and General Expense	\$ _____
	Total Operating Expense	\$ _____
	Net Operating Expense	\$ _____
C.	Non-Operating Income:	
	Interest on Deposits	\$ _____
	Other (Identify)	_____
	Total Non-Operating Income	\$ _____
D.	Net Income	\$ _____
E.	Debt Repayment:	\$ _____
	RUS Interest	34400
	RUS Principal	_____
	Non-RUS Interest	_____
	Non-RUS Principal	_____
	Total Debt Repayment	\$ -34400
F.	Balance Available for Coverage	\$ -34400

(1) Assume RD Loan of \$810,000 @ 2.75% for 38yrs. P&I payment of \$29,900.

XXXIII. ESTIMATED PROJECT COST - SEWER
(Round to nearest \$100)

	<u>Collection</u>	<u>Treatment</u>	<u>Total</u>
<i>Development</i>	_____	_____	_____
<i>Land and Rights</i>	_____	_____	_____
<i>Legal</i>	_____	_____	_____
<i>Engineering</i>	_____	_____	_____
<i>Interest</i>	_____	_____	_____
<i>Contingencies</i>	_____	_____	_____
<i>Initial Operating and Maintenance</i>	_____	_____	_____
<i>Other</i>	_____	_____	_____
TOTAL	_____	_____	_____

XXXIV. PROPOSED PROJECT FUNDING - SEWER

	<u>Collection</u>	<u>Treatment</u>	<u>Total</u>
<i>Applicant - User Contribution Fees</i>	_____	_____	_____
<i>Other - Applicant Contribution</i>	_____	_____	_____
<i>RUS Loan</i>	_____	_____	_____
<i>RUS Grant</i>	_____	_____	_____
<i>ARC Grant (If applicable)</i>	_____	_____	_____
<i>CDBG (If applicable)</i>	_____	_____	_____
<i>Other (Specify)</i>	_____	_____	_____
<i>Other (Specify)</i>	_____	_____	_____

XXXV. ESTIMATED PROJECT COST - WATER

Development	\$1,638,000
Land and Rights	\$5,000
Legal/Admin.	\$30,000
Engineering	\$226,000
Interest	\$10,000
Contingencies	\$151,000
Initial Operating and Maintenance	
Other	\$20,000
TOTAL	\$2,080,000

XXXVI. PROPOSED PROJECT FUNDING

Applicant - User Connection Fees	
Other Applicant Contribution	
RUS Loan	\$810,000
RUS Grant	\$270,000
ARC Grant (If Applicable)	\$300,000
CDBG (If Applicable)	\$700,000
Other (Specify)	
Other (Specify)	
TOTAL	\$2,080,000